

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0013] as follows:

[0013] The charge control circuit may instruct the charging circuit to perform the constant current charging to supply the second constant current to the second battery when the battery voltage becomes substantially equal to a third pre-set voltage greater than the second pre-set voltage and also to perform the constant voltage charging to control the charging current such that the battery voltage becomes substantially equal to the third constant voltage when the battery voltage becomes substantially equal to a fourth pre-set voltage greater than the third pre-set ~~pre-third set~~ voltage.

Please amend paragraph [0021] as follows:

[0021] The current detecting circuit may include a resistor and a current detector. The resistor passes the charge current to be supplied to the second battery. The current detector detects the charge current based on a voltage across the resistor and outputs a signal in response to the detected charge current. In this case, the voltage detecting circuit, the current detector of the current detecting circuit, the charge control circuit, the charge-end detecting circuit, the charge-end detecting circuit, and several components of the charging circuit including the constant voltage generating circuit, the voltage switching circuit, the constant current reference signal generating circuit, the signal switching circuit, and the voltage switching circuit are integrated into a single signal integrated circuit chip.

Please amend paragraph [0043] as follows:

[0043] The charge control circuit 8, receiving the constant voltages V1 – V4 output from the constant voltage generating circuit 22, controls the operations of the signal switching circuit 23 and the voltage switching circuit 24 in response to the signals sent from the adapter detecting circuit 2, the voltage detecting circuit 3, and the charge-end detecting circuit 7. The signal switching circuit 23, receiving the first predetermined CCR signal S1 and the second predetermined CCR signal S2 output from the CCR signal generating circuit 21, selects one of the first and second predetermined CCR signals S1 and S2 in response to the control signal from the charge control circuit 8 and outputs the selected signal to the control circuit 26. The voltage switching circuit 24, receiving the first and third constant voltage V1 and V3 from the constant voltage generating circuit 22, exclusively selects one of the first and third constant voltages ~~voltage~~ V1 and V3 in response to the control signal output from the charge control circuit 8 and outputs the selected voltage to the control circuit 26.

Please amend paragraph [0063] as follows:

[0063] In this way, the charging apparatus 1 detects an event that the battery voltage Vb exceeds the second pre-set voltage Vs2. Then, the charging apparatus 1 performs the pulse charge by outputting the second predetermined CCR signal S2 to the signal switching circuit 23 as well as the first predetermined constant voltage V1 during the predetermined time period ta and subsequently the third predetermined constant voltage V3 during the predetermined time period tb to the voltage switching circuit 24 until the time the battery voltage Vb becomes the third set voltage Vs3, as described above. In this charging apparatus 1, the second pre-set voltage Vs2 is set to a

value, with which the load the lithium ion battery 11 supplies power to can ~~power to,~~
~~can~~ operate.